AUSTRALIAN JOURNAL OF ZOOLOGY

QL 1 A865

VOLUME 12

91 A93 V112 1964

AUSTRALIAN JOURNAL OF ZOOLOGY

A medium for the publication of results of original scientific research in zoology, including ecological, descriptive, and experimental aspects.

Published by the Commonwealth Scientific and Industrial Research Organization. Issued as material becomes available, 10/- per issue.

BOARD OF STANDARDS

The Board of Standards for this Journal is appointed by the Commonwealth Scientific and Industrial Research Organization and the Australian Academy of Science and consists of Professor W. P. Rogers (Chairman), Mr. A. E. Scott (Editor-in-Chief), Professor N. S. Bayliss, Dr. M. F. Day, Professor R. Street, and Professor J. S. Turner.

ADVISORY COMMITTEE

Acceptance of papers for this Journal is in the hands of an Advisory Committee appointed by the Board of Standards and consisting of Mr. A. E. Scott (Editor-in-Chief and Chairman), Professor H. G. Andrewartha, Dr. K. H. L. Key, Dr. W. D. L. Ride, Professor W. P. Rogers, and Professor H. Waring.

ALBERT R. MASH LIERARY

The Editor-in-Chief,
Editorial and Publications Section, CSIRO,
Sixth Floor,
372 Albert Street,
East Melbourne, C.2, Victoria

CONTENTS

Volume 12, Number 1, April 1964

	PAGE
The larval development of <i>Dacus tryoni</i> (Frogg.) (Diptera: Trypetidae). II. Development of imaginal rudiments other than the principal discs. By	
D. T. Anderson	1
Anoestrus in the red kangaroo Megaleia rufa (Desmarest). By A. E. Newsome	9
The female urogenital system of <i>Trichosurus vulpecula</i> (Marsupialia). By R. I. Kean, R. G. Marryatt, and A. L. K. Carroll	
Sexual development and spermatozoon morphology in the male macropod marsupial Potorous tridactylus (Kerr). By R. L. Hughes	
Seasonal changes in activity and weight of Miniopterus schreibersi blepotis (Chiroptera) in north-eastern New South Wales. By P. D. Dwyer	52
The Crinia laevis complex (Anura: Leptodactylidae) in south-eastern Australia. By M. J. Littlejohn and A. A. Martin	
A re-study of the Perkins types of Australian Pipunculidae (Diptera) and the type of <i>Pipunculus vitiensis</i> Muir from Fiji. By D. E. Hardy	84

iv CONTENTS

Volume 12, Number 2, October 1964

	PAGE
Changes in the size of germ cell nuclei during the development of the testis of the ram and rat. By C. S. Sapsford	127
The intensity of parasite attack in relation to the abundance of Cardiaspina albitextura (Psyllidae). By L. R. Clark	150
A survey of aphids flying over eastern Australia in 1961. By R. D. Hughes, M. Casimir, G. T. O'Loughlin, and E. J. Martyn	174
The osteology of the water skink, Lygosoma (Sphenomorphus) quoyii. By Dianne King	201
Studies on the ecology of Lymnaea tomentosa, the intermediate host of Fasciola hepatica. I. History, geographical distribution, and environment. By J. C. Boray	217
Studies on the ecology of Lymnaea tomentosa, the intermediate host of Fasciola hepatica. II. The sexual behaviour of Lymnaea tomentosa. By J. C. Boray	231
Density and dispersion of two species of kangaroo in relation to habitat. By G. J. Caughley	238
Temperature studies of termite colonies in living trees. By T. Greaves	250
Rainfall and changes in abundance of <i>Aphodius tasmaniae</i> Hope (Coleoptera: Scarabaeidae) in the lower south-east of South Australia. By D. A. Maelzer	263
Morphological differences between <i>Chironomus intertinctus</i> Skuse and <i>C. paratinctus</i> , sp. nov., with descriptions and a key to the subgenus <i>Kiefferulus</i> (Diptera: Nematocera). By J. Martin	279
Further observations on the Australian species of <i>Aponomma</i> and <i>Amblyomma</i> with descriptions of the nymphs of <i>Amblyomma moreliae</i> (L. Koch) and <i>Amb. loculosum</i> Neumann (Acarina: Ixodidae). By F. H. S. Roberts	288

CONTENTS

Volume 12, Number 3, December 1964

	PAGE
Oestrus in the lactating red kangaroo. By A. E. Newsome	315
Observations on the breeding and growth of the marsupial Perameles nasuta	
Geoffroy, with notes on other bandicoots. By A. G. Lyne	322
The development, structure, and function of the submandibular cutaneous (chin)	
glands in the rabbit. By A. G. Lyne, G. S. Molyneux, R. Mykytowycz, and	
P. F. Parakkal	340
Predation by birds in relation to the population density of Cardiaspina albitextura	
(Psyllidae). By L. R. Clark	
The population dynamics of Cardiaspina albitextura (Psyllidae). By L. R. Clark	362
Population dynamics of codling moth, Cydia pomonella (L.) (Tortricidae), in the	
Australian Capital Territory. By P. W. Geier	
Index to Volume 12	417

